

TYPE OR PRINT  
IN BLACK INK  
(For instructions, see  
booklet: "How to File an  
Application to Appropriate  
Water in California")



California Environmental Protection Agency

State Water Resources Control Board  
Division of Water Rights  
P.O. Box 2000, Sacramento, CA 95812-2000  
Tel: (916) 341-5300 Fax: (916) 341-5400  
www.waterrights.ca.gov

APPLICATION NO. \_\_\_\_\_  
(leave blank)

APPLICATION TO APPROPRIATE WATER  
SECTION A: NOTICE INFORMATION

1. APPLICANT/AGENT

a.

	APPLICANT	ASSIGNED AGENT (if any)
Name	Kenneth L. Kahn & Cheryl W. Kahn Trust	Wagner & Bonsignore, CCE
Mailing Address	75 Spring Lane	444 North Third St. #325
City, State & Zip	Tiburon, CA 94920	Sacramento, CA 95814
Telephone	(415) 435-1946	(916) 441-6850
Fax		(916) 448-3866
E-mail		ryans@wagner-engrs.com

2. OWNERSHIP INFORMATION (Please check type of ownership.)

- ☒ Sole Owner ☐ Limited Liability Company (LLC) ☐ General Partnership\*  
☐ Limited Partnership\* ☐ Business Trust ☐ Husband/Wife Co-Ownership  
☐ Corporation ☐ Joint Venture ☐ Other \_\_\_\_\_

\*Please provide a copy of your partnership agreement.

3. PROJECT DESCRIPTION (Provide a detailed description of your project, including, but not limited to, type of construction activity, area to be graded or excavated, and how the water will be used.)

See Attachment

☒ For continuation, see Attachment No. 1

4. PURPOSE OF USE, DIVERSION/STORAGE AMOUNT AND SEASON

a. PURPOSE OF USE (irrigation, domestic, etc.)	DIRECT DIVERSION				STORAGE		
	AMOUNT		SEASON OF DIVERSION		AMOUNT	SEASON OF COLLECTION	
	Rate (cfs or gpd)*	Acre-feet per year	Beginning date (month & day)	Ending date (month & day)	Acre-feet per year	Beginning date (month & day)	Ending date (month & day)
Irrigation, Fire Protection,					35	11/1	6/1
Incidental Recreation							

☐ See Attachment No. \_\_\_\_\_

\* If rate is less than 0.025 cubic feet per second (cfs), use gallons per day (gpd).

- b. Total combined amount taken by direct diversion and storage during any one year will be 35 acre-feet.  
c. Reservoir storage is: ☐ onstream ☒ offstream ☐ underground (If underground storage, attach Form APP-UGSTOR.)  
d. County in which diversion is located: Sonoma County in which water will be used: Sonoma  
e. Assessor's Parcel Number(s): 118-100-51

5. SOURCES AND POINTS OF DIVERSION/REDIVERSION

a. Sources and Points of Diversion (POD)/Points of Rediversion (PORD):

- ☒ POD / ☐ PORD #1 : Unnamed Stream tributary to Unnamed Stream  
thence Russian River  
☐ POD / ☐ PORD # : \_\_\_\_\_ tributary to \_\_\_\_\_  
thence \_\_\_\_\_  
☐ POD / ☐ PORD # : \_\_\_\_\_ tributary to \_\_\_\_\_  
thence \_\_\_\_\_  
☐ POD / ☐ PORD # : \_\_\_\_\_ tributary to \_\_\_\_\_  
thence \_\_\_\_\_

☐ See Attachment No. \_\_\_\_\_

b. State Planar and Public Land Survey Coordinate Description:

POD/ POD #	CALIFORNIA COORDINATES (NAD 27)	ZONE	POINT IS WITHIN (40-acre subdivision)	SECTION	TOWN -SHIP	RANGE	BASE AND MERIDIAN
1	N 391,300 E 1,726,050	2	SE ¼ of SW ¼	3	10N	10W	MD
Offstream A			SE ¼ of SW ¼ NE NW	10	10N	10W	MD
			¼ of ¼				
			¼ of ¼				

☐ See Attachment No. \_\_\_\_\_

c. Name of the post office most often used by those living near the proposed point(s) of diversion:  
Geyserville

6. WATER AVAILABILITY

a. Have you attached a water availability analysis for this project? ☒ YES ☐ NO  
If NO, provide sufficient information to demonstrate that there is reasonable likelihood that unappropriated water is available for the proposed appropriation:

☒ See Attachment No. 2

b. Is your project located on a stream system declared to be fully appropriated by the State Water Resources Control Board during your proposed season of diversion? ☐ YES ☒ NO

c. In an average year, does the stream dry up at any point downstream of your project? ☒ YES ☐ NO If YES, during which months? ☐ Jan ☐ Feb ☐ Mar ☐ Apr ☒ May ☒ Jun ☒ Jul ☒ Aug ☒ Sep ☐ Oct ☐ Nov ☐ Dec

d. What alternate sources of water are available if a portion of your requested diversion season must be excluded because water is not available for appropriation? (e.g., percolating groundwater, purchased water, etc.)  
Groundwater Wells

☐ See Attachment No. \_\_\_\_\_

7. PLACE OF USE

USE IS WITHIN (40-acre subdivision)	SECTION* Projected	TOWNSHIP	RANGE	BASE & MERIDIAN	IF IRRIGATED	
					Acres	Presently cultivated?
SE ¼ of SW ¼	3	10N	10W	MD	13	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
SW ¼ of SE ¼	3	10N	10W	MD	5	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
NW ¼ of NW ¼	10	10N	10W	MD	2	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
NE ¼ of NW ¼	10	10N	10W	MD	22	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
NW ¼ of NE ¼	10	10N	10W	MD	4	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
Total:					46	

\*Please indicate if section is projected with a "(P)" following the section number.

☐ See Attachment No. \_\_\_\_\_

8. PROJECT SCHEDULE

a. Project is:  
☐ proposed. Year construction will begin: \_\_\_\_\_  
☒ partially complete. Extent of completion: Vineyard on valley floor and offstream reservoir are built. The point of diversion on the unnamed stream is proposed.  
☐ complete. Year completed: \_\_\_\_\_

b. Year of first use: Reservoir Year water will be used to the full extent intended: 5 yrs after  
Built 1982 issuance of  
Permit

## SECTION B: MISCELLANEOUS DIVERSION INFORMATION

### 1. JUSTIFICATION OF AMOUNTS REQUESTED

- a. ☐ IRRIGATION: Maximum area to be irrigated in any one year: 46 acres.

CROP	ACRES	METHOD OF IRRIGATION (sprinklers, flooding, etc.)	WATER USE (Acre-feet/Yr.)	SEASON OF WATER USE	
				Beginning date (month & day)	Ending date (month & day)
Vineyard	46	Drip	35	5/1	9/30

☐ See Attachment No. \_\_\_\_\_

- b. ☐ DOMESTIC: Number of residences to be served: \_\_\_\_\_ Separately owned? ☐ YES ☐ NO  
Number of people to be served: \_\_\_\_\_ Estimated daily use per person is: \_\_\_\_\_ gallons per day  
Area of domestic lawns and gardens: \_\_\_\_\_ square feet  
Incidental domestic uses: \_\_\_\_\_  
(dust control area, number and kind of domestic animals, etc.)

- c. ☐ STOCKWATERING: Kind of stock: \_\_\_\_\_ Maximum number: \_\_\_\_\_  
Describe type of operation: \_\_\_\_\_  
(feedlot, dairy, range, etc.)

- d. ☒ RECREATIONAL: Type of recreation: ☒ Fishing ☒ Swimming ☐ Boating ☐ Other Incidental

- e. ☐ MUNICIPAL:

POPULATION List for 5-year periods until use is completed		MAXIMUM MONTH		ANNUAL USE		
Period	Population	Average daily use (gallons per capita)	Rate of diversion (cfs)	Average daily use (gallons per capita)	Acre-foot (per capita)	Total (acre-feet)
Present						

☐ See Attachment No. \_\_\_\_\_

Month of maximum use during year: \_\_\_\_\_ Month of minimum use during year: \_\_\_\_\_

- f. ☐ HEAT CONTROL: Area to be heat controlled: \_\_\_\_\_ net acres  
Type of crops protected: \_\_\_\_\_  
Rate at which water is applied to use: \_\_\_\_\_ gpm per acre  
Heat protection season will begin \_\_\_\_\_ and end \_\_\_\_\_  
(month & day) (month & day)

- g. ☐ FROST PROTECTION: Area to be frost protected: \_\_\_\_\_ net acres  
Type of crops protected: \_\_\_\_\_  
Rate at which water is applied to use: \_\_\_\_\_ gpm per acre  
The frost protection season will begin \_\_\_\_\_ and end \_\_\_\_\_  
(month & day) (month & day)

- h. ☐ INDUSTRIAL: Type of industry: \_\_\_\_\_  
Basis for determination of amount of water needed: \_\_\_\_\_

- i. ☐ MINING: Name of the claim: \_\_\_\_\_ ☐ Patented ☐ Unpatented  
Nature of the mine: \_\_\_\_\_ Mineral(s) to be mined: \_\_\_\_\_  
Type of milling or processing: \_\_\_\_\_  
After use, the water will be discharged into \_\_\_\_\_ (watercourse)  
in \_\_\_\_\_ 1/4 of \_\_\_\_\_ 1/4 of Section \_\_\_\_\_, T \_\_\_\_\_, R \_\_\_\_\_, \_\_\_\_\_ B. & M.

- j. ☐ POWER: Total head to be utilized: \_\_\_\_\_ feet  
Maximum flow through the penstock: \_\_\_\_\_ cfs  
Maximum theoretical horsepower capable of being generated by the works (cfs x fall + 8.8): \_\_\_\_\_  
Electrical capacity (hp x 0.746 x efficiency): \_\_\_\_\_ kilowatts at: \_\_\_\_\_ % efficiency  
After use, the water will be discharged into \_\_\_\_\_ (watercourse)  
in \_\_\_\_\_ 1/4 of \_\_\_\_\_ 1/4 of Section \_\_\_\_\_, T \_\_\_\_\_, R \_\_\_\_\_, \_\_\_\_\_ B. & M. FERC No.: \_\_\_\_\_

- k. ☐ FISH AND WILDLIFE PRESERVATION AND/OR ENHANCEMENT: List specific species and habitat type that will be preserved or enhanced in Item 7a of Section C.

- l. ☒ OTHER: Describe use: Incidental Fire Protection  
Basis for determination of amount of water needed: \_\_\_\_\_

2. DIVERSION AND DISTRIBUTION METHOD

- a. Diversion will be by gravity by means of: \_\_\_\_\_  
(dam, pipe in unobstructed channel, pipe through dam, siphon, weir, gate, etc.)
- b. Diversion will be by pumping from: Offset Well  
(sump, offset well, channel, reservoir, etc.)
- Pump discharge rate: 1 ☒ cfs or ☐ gpd Horsepower: 15 Pump Efficiency: \_\_\_\_\_

c. Conduit from diversion point to first lateral or to offstream storage reservoir:

CONDUIT (pipe or channel)	MATERIAL (type of pipe or channel lining; indicate if pipe is buried or not)	CROSS-SECTION (pipe diameter, or ditch depth and top and bottom width) (inches or feet)	LENGTH (feet)	TOTAL LIFT OR FALL		CAPACITY (cfs, gpd or gpm)
				feet	+ or -	
Pipe	PVC	6"	500	20	+	1 cfs

☐ See Attachment No. \_\_\_\_\_

d. Storage reservoirs: (For underground storage, complete and attach form APP-UGSTOR)

Offstream

RESERVOIR NAME OR NUMBER	DAM				RESERVOIR		
	Vertical height from downstream toe of slope to spillway level (feet)	Construction material	Length (feet)	Freeboard: dam height above spillway crest (feet)	Surface area when full (acres)	Capacity (acre-feet)	Maximum water depth (feet)
1	15	Earth	850	2	1.5	35	22

☐ See Attachment No. \_\_\_\_\_

e. Outlet pipe: Complete for storage reservoirs having a capacity of 10 acre-feet or more.

RESERVOIR NAME OR NUMBER	OUTLET PIPE				
	Diameter (inches)	Length (feet)	Fall: vertical distance between entrance and exit of outlet pipe (feet)	Head: vertical distance from spillway to entrance of outlet pipe (feet)	Dead Storage: storage below entrance of outlet pipe (acre-feet)
Reservoir is offstream. Dewatering will be accomplished by pumping.					

☐ See Attachment No. \_\_\_\_\_

- f. If water will be stored and the reservoir is not at the point of diversion, the maximum rate of diversion to offstream storage will be 1 cfs. Diversion to offstream storage will be made by: ☒ Pumping ☐ Gravity

3. CONSERVATION AND MONITORING

- a. What methods will you use to conserve water? Explain. Drip Irrigation
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- b. How will you monitor your diversion to be sure you are within the limits of your water right and you are not wasting water? ☐ Weir ☒ Meter ☐ Periodic sampling ☐ Other (describe) \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

4. RIGHT OF ACCESS

- a. Does the applicant own all the land where the water will be diverted, transported and used? ☒ YES ☐ NO  
If NO, I ☐ do ☐ do not have a recorded easement or written authorization allowing me access.
- b. List the names and mailing addresses of all affected landowners and state what steps are being taken to obtain access: \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

☐ See Attachment No. \_\_\_\_\_

5. EXISTING WATER RIGHTS AND RELATED FILINGS

- a. Do you claim an existing right for the use of all or part of the water sought by this application? ☐ YES ☒ NO  
If YES, please specify: ☐ Riparian ☐ Pre-1914 ☐ Registration ☐ Permit ☐ License  
☐ Percolating groundwater ☐ Adjudicated ☐ Other (specify) \_\_\_\_\_
- b. For each existing right claimed, state the source, year of first use, purpose, season and location of the point of diversion (to within quarter-quarter section). Include number of registration, permit, license, or statement of

water diversion and use, if applicable. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

- c. List any related applications, registrations, permits, or licenses located in the proposed place of use or that utilize the same point(s) of diversion? \_\_\_\_\_

☐ See Attachment No. \_\_\_\_\_

## 6. OTHER SOURCES OF WATER

Are you presently using, or do you intend to use, purchased water or water supplied by contract in connection with this project? ☐ Yes ☒ No If yes, please explain: \_\_\_\_\_

## 7. MAP REQUIREMENTS

The Division cannot process your application without accurate information showing the source of water and location of water use. You must include a map with this application form that clearly indicates the township, range, section and quarter/quarter section of (1) the proposed points of diversion and (2) the place of use. A copy of a U.S.G.S. quadrangle/topographic map of your project area is preferred, and can be obtained from sporting goods stores or through the Internet at <http://topomaps.usgs.gov>. A certified engineering map is required when (1) appropriating more than three cfs by direct diversion, (2) constructing a dam which will be under the jurisdiction of the Division of Safety of Dams, (3) creating a reservoir with a surface area in excess of ten acres or (4) appropriating more than 1000 acre-feet per annum by underground storage. See the instruction booklet for more information.

☒ See Attachment No. 3

## SECTION C: ENVIRONMENTAL INFORMATION

Note: Before a water right permit may be issued for your project, the State Water Resources Control Board (SWRCB) must consider the information contained in an environmental document prepared in compliance with the California Environmental Quality Act (CEQA). This form is not a CEQA document. If a CEQA document has not yet been prepared for your project, a determination must be made of who is responsible for its preparation. If the SWRCB is determined to be responsible for preparing the CEQA document, the applicant will be required to pay all costs associated with the environmental evaluation and preparation of the required documents. Please answer the following questions to the best of your ability and submit with this application any studies that have been conducted regarding the environmental evaluation of your project.

### 1. COUNTY PERMITS

- a. Contact your county planning or public works department and provide the following information:

Person contacted: Sonoma County Date of contact: 4/17/06  
Department: Planning Department Telephone: ( 707 ) 565-1900  
County Zoning Designation: 118-100-51 LIA 40 VOH SR 118-100-38 RRD 40 SR  
Are any county permits required for your project? ☐ YES ☒ NO If YES, check appropriate box below:  
☐ Grading permit ☐ Use permit ☐ Watercourse ☐ Obstruction permit ☐ Change of zoning  
☐ General plan change ☐ Other (explain): \_\_\_\_\_

- b. Have you obtained any of the required permits described above? ☐ YES ☐ NO

If YES, provide a complete copy of each permit obtained.

☐ See Attachment No. \_\_\_\_\_

### 2. STATE/FEDERAL PERMITS AND REQUIREMENTS

- a. Check any additional state or federal permits required for your project:

☐ Federal Energy Regulatory Commission ☐ U.S. Forest Service ☐ U.S. Bureau of Land Management  
☐ U.S. Corps of Engineers ☐ U.S. Natural Res. Conservation Service ☐ Calif. Dept. of Fish and Game  
☐ State Lands Commission ☐ Calif. Dept. of Water Resources (Div. of Safety of Dams)  
☐ Calif. Coastal Commission ☐ State Reclamation Board ☐ Other (specify) \_\_\_\_\_

- b. For each agency from which a permit is required, provide the following information:

AGENCY	PERMIT TYPE	PERSON(S) CONTACTED	CONTACT DATE	TELEPHONE NO.

☐ See Attachment No. \_\_\_\_\_

- c. Does your proposed project involve any construction or grading-related activity that has significantly altered or would significantly alter the bed, bank, or riparian habitat of any stream or lake? ☐ YES ☒ NO  
If YES, explain: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

☐ See Attachment No. \_\_\_\_\_

- d. Have you contacted the California Department of Fish and Game concerning your project? ☐ YES ☒ NO  
If YES, name and telephone number of contact: \_\_\_\_\_

### 3. ENVIRONMENTAL DOCUMENTS

- a. Has any California public agency prepared an environmental document for your project? ☐ YES ☒ NO  
c. If YES, submit a copy of the latest environmental document(s) prepared, including a copy of the notice of determination adopted by the California public agency. Public agency: \_\_\_\_\_

- d. If NO, check the appropriate box and explain below, if necessary:

☐ The applicant is a California public agency and will be preparing the environmental document.\*

☒ I expect that the SWRCB will be preparing the environmental document.\*\*

☐ I expect that a California public agency other than the State Water Resources Control Board will be preparing the environmental document.\* Public agency: \_\_\_\_\_

☐ See Attachment No. \_\_\_\_\_

\* Note: When completed, submit a copy of the final environmental document (including notice of determination) or notice of exemption to the SWRCB, Division of Water Rights. Processing of your application cannot proceed until these documents are submitted.

\*\* Note: CEQA requires that the SWRCB, as Lead Agency, prepare the environmental document. The information contained in the environmental document must be developed by the applicant and at the applicant's expense under the direction of the SWRCB, Division of Water Rights.

### 4. WASTE/WASTEWATER

- a. Will your project, during construction or operation, (1) generate waste or wastewater containing such things as sewage, industrial chemicals, metals, or agricultural chemicals, or (2) cause erosion, turbidity or sedimentation? ☐ YES ☒ NO

If YES, or you are unsure of your answer, explain below and contact your local Regional Water Quality Control Board for the following information (See instruction booklet for address and telephone no.):  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

☐ See Attachment No. \_\_\_\_\_

- b. Will a waste discharge permit be required for your project? ☐ YES ☐ NO

Person contacted: \_\_\_\_\_ Date of contact: \_\_\_\_\_

- c. What method of treatment and disposal will be used? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

☐ See Attachment No. \_\_\_\_\_

### 5. ARCHEOLOGY

- a. Have any archeological reports been prepared on this project? ☐ YES ☒ NO

- b. Will you be preparing an archeological report to satisfy another public agency? ☐ YES ☒ NO

- c. Do you know of any archeological or historic sites located within the general project area? ☐ YES ☒ NO

If YES, explain: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

☐ See Attachment No. \_\_\_\_\_

### 6. ENVIRONMENTAL SETTING

Attach three complete sets of color photographs, clearly dated and labeled, showing the vegetation that exists at the following three locations:

☒ Along the stream channel immediately downstream from the proposed point(s) of diversion.

☒ Along the stream channel immediately upstream from the proposed point(s) of diversion.

☒ At the place(s) where the water is to be used.

☒ See Attachment No. 4

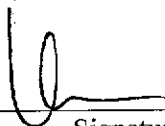
SECTION D: SUBMITTAL FEES

Calculate your application filing fee using the "Water Right Fee Schedule Summary" that was enclosed in the application packet. The "Water Right Fee Schedule Summary" can also be viewed at the Division of Water Rights' website (www.waterrights.ca.gov).

A check for the application filing fee, payable to the "Division of Water Rights" and an \$850 check for the environmental review fee, payable to the "California Department of Fish and Game," must accompany this application. All applicable fees are required at the time of filing. Your application will be returned to you if it is not accompanied by all required fees.

SECTION E: DECLARATION AND SIGNATURE

I declare under penalty of perjury that all information provided is true and correct to the best of my knowledge and belief. I authorize my agent, if I have designated one above, to act on my behalf regarding this water right application.

	<u>Owner</u>	<u>4-26-06</u>
Signature of Applicant	Title or Relationship	Date
Signature of Co-Applicant (if any)	Title or Relationship	Date



"APPLICATION TO APPROPRIATE WATER" CHECKLIST

Before you submit your application, be sure to:

- ☐ Answer each question completely in Sections A, B, and C.
- ☐ Number and include all necessary attachments.
- ☐ Include a legible map that meets the requirements discussed in the instruction booklet (Item B6).
- ☐ Include the Water Availability Analysis or sufficient information to demonstrate that there is reasonable likelihood that unappropriated water is available for the proposed appropriation (Item A6).
- ☐ Include three complete sets of color photographs of the project site (Item C6).
- ☐ Enclose a check for the required fee, payable to the Division of Water Rights, as specified in Section D.
- ☐ Enclose a \$850 check for the environmental review fee, payable to the Department of Fish and Game, as specified in Section D.
- ☐ Sign and date the application in Section E.

Send the original and one copy of the entire application to:

State Water Resources Control Board  
Division of Water Rights  
P.O. Box 2000  
Sacramento, CA 95812-2000

Attachment 1 to Accompany  
Water Right Application  
by  
Kenneth L. Kahn and Cheryl W. Kahn Trust

Project Description

This project consists of the storage of water in one existing offstream reservoir located on the Applicant's property. Water will be used for irrigation of 46 acres of existing vineyard. The offstream reservoir was built in 2002 and currently stores water pumped from groundwater wells located on the property. This application requests the approval for the construction of an offset well at Point of Diversion #1 to be located on an unnamed stream on the northern boundary of the property (see enclosed map). This offset well is named as a point of diversion to offstream storage in the existing reservoir. Water will also be used for incidental recreation and fire protection purposes. The property has historically been used for pasture and some vineyard since the early 1900's. The 46 acres of existing vineyard were planted in 1982.

The reservoir and 46 acres of vineyard are in place and are located in areas that were historically cleared. All irrigation and water transfer pipelines for the system are in place and will not be altered pursuant to this application. The water transfer pipeline between the offset well and the existing offstream reservoir will be constructed in areas currently planted to vineyard and are not proposed to interfere with and lands outside of the footprint of the vineyard.



## ATTACHMENT 2

### **Estimate of Water Availability to Accompany Water Right Application by Kenneth L. Kahn & Cheryl W. Kahn Trust**

California Water Code Section 1260(k) requires that every application for a permit to appropriate water shall include "sufficient information to demonstrate a reasonable likelihood that unappropriated water is available for the proposed appropriation." This narrative and accompanying calculations provide the required information.

The subject Application is within the watershed of an unnamed stream tributary to the Russian River in Sonoma County (see attached map). According to State Water Resources Control Board Order WR 98-08, there is no fully appropriated limitation on the subject watershed. The Application proposes a diversion season of November 1 to June 1, which conforms to Order WR 98-08. The following describes the methodology used to demonstrate a *reasonable* likelihood that water is physically available for the proposed appropriation.

The attached map shows the proposed point of diversion and the watershed area tributary thereto. The map also shows lines of equal mean annual runoff as shown on the map included with the document entitled *Mean Annual Runoff in the San Francisco Bay Region, California, 1931-70* by S.E. Rantz, 1974.<sup>1</sup> An excerpt of this map is attached (Rantz map).

The weighted mean annual runoff for the watershed tributary to the proposed point of diversion was computed based on the Rantz map. Mean *seasonal* runoff for the subject watershed was estimated by adjusting the mean annual runoff assuming that the ratio of seasonal to annual runoff is identical to the ratio of seasonal to annual mean precipitation. The Healdsburg precipitation station was used for this purpose. The resulting seasonal runoff value was adjusted by deducting the *face value* of any senior water rights in the watershed above the proposed point of diversion.

Calculations for the foregoing methodology are attached. These calculations show that in an average year runoff of approximately 90.1 acre-feet would occur at the point of diversion during the proposed season of diversion. The diversion of 16.6 acre-feet under senior rights and 35 acre-feet under the subject application would leave about 38.5 acre-feet of runoff remaining during the proposed diversion season. Accordingly, it is reasonable to conclude that water is available for the subject Application.

KAHNB008.doc

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<sup>1</sup> USGS Miscellaneous Field Studies Map MF-613, prepared in cooperation with the California Department of Water Resources.

# Water Right Application by Kenneth L. Kahn & Cheryl W. Kahn Trust

## Estimate of Water Availability

### Point of Diversion #1 & Reservoir "A"

#### Monthly Precipitation<sup>(1)</sup>

HEALDSBURG, CALIFORNIA

<u>Month</u>	<u>Mean Precipitation (in)</u>
October	2.24
November	5.35
December	8.05
January	8.94
February	7.42
March	5.45
April	2.59
May	1.11
June	0.31
July	0.04
August	0.13
September	<u>0.38</u>
<b>Annual</b>	<b>42.01</b>

Mean Precipitation for requested diversion season (11/1 - 6/1):	38.91 in
Precipitation during requested diversion season as a percentage of total precipitation:	92.62%
Mean Annual Runoff: <sup>(2)</sup>	17.2 in
Estimated Mean Seasonal Runoff: <sup>(3)</sup>	15.9 in
Combined Watershed Area for POD #1 and Reservoir "A":	68.0 ac
Total Estimated Mean Seasonal Runoff at POD #1 and Reservoir "A":	90.1 ac-ft
Senior Diverters of Record within watersheds:	
D031142R - Kenneth L. Kahn (10/1-5/1):	9.7 ac-ft
D031145R - Kenneth L. Kahn (10/1-5/1):	6.9 ac-ft
Total water available:	73.5 ac-ft
Requested diversion amount:	35.0 ac-ft
Total Seasonal Amount Remaining in Stream After Diversion:	38.5 ac-ft

Notes:

<sup>(1)</sup> Source: Western Regional Climate Center website, <http://www.wrcc.dri.edu/summary/climsnca.html>

<sup>(2)</sup> Mean Annual Runoff in the San Francisco Bay Region, California, 1931-70 (Miscellaneous Field Studies Map MF-613), by S.E. Rantz, 1974.

<sup>(3)</sup> Estimated mean seasonal runoff is computed by multiplying mean annual runoff by percent seasonal precipitation.

**Kenneth L. Kahn & Cheryl W. Kahn Trust**  
**Calculation of Weighted Mean Annual Runoff in POD Watersheds**

<b>Watershed</b>	<b>Area (ac)</b>	<b>Mean Annual Runoff (in)</b>	<b>Volume (ac-in)</b>	<b>Volume (ac-ft)</b>
<b>POD #1 and Reservoir "A"</b>	65.5	17.2	1,127	94
	<u>2.5</u>	16.1	<u>40</u>	<u>3</u>
<b>Total</b>	<b>68.0</b>		<b>1,167</b>	<b>97</b>
<b>Weighted Average</b>		<b>17.2</b>		

This is a detailed topographic map of the Santa Rosa area in California. The map features contour lines indicating elevation, with major peaks reaching over 5000 feet. Key geographical features include Clear Lake to the north, Ukiah Lake to the west, and the Eel River flowing through the region. The map shows a network of roads, including major highways like SR 99 and SR 101, and numerous smaller local roads. Towns and cities such as Santa Rosa, Ukiah, Clear Lake, and Ukiah Lake are labeled. The map also shows various smaller lakes, creeks, and geographical features like the Ukiah River and the Eel River. A scale bar at the bottom right indicates distances in miles and feet. The map is oriented with North at the top.

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